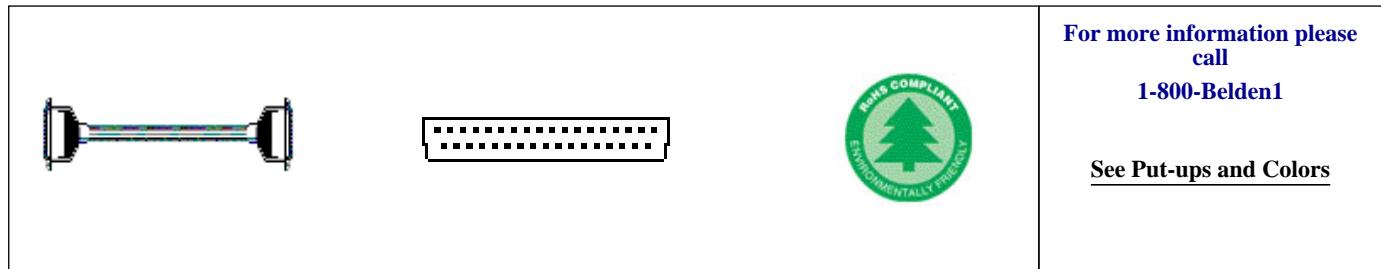


49950A Molded Cable Assemblies - D-Subminiature Assembly



Description:

37-position shielded D-Sub, for RS-449 applications where assembly is exposed to high noise environment, S-R PVC insulation, foil plus braid shield (super shield), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

| | |
|----------------------------|--------------------|
| Number of Conductors | 36 |
| Total Number of Conductors | 36 |
| Number of Pins | 37 |
| AWG | 24 |
| Stranding | 7x32 |
| Conductor Diameter | .024 in. |
| Conductor Material | TC - Tinned Copper |

INSULATION:

| | |
|--------------------------------|---|
| Insulation Material | S-R PVC - Semi-Rigid Polyvinyl Chloride |
| Nom. Insulation Wall Thickness | 0.01 in. |

OUTER SHIELD:

| Outer Shield Trade Name | Beldfoil® | | | | | | | | | | | | | | | |
|---|------------|--------------|------------------------------|----------------|----------|----------------|---|-----------|------|------------------------------|-----|---|--|-------|--------------------|----|
| Outer Shield Type | Tape/Braid | | | | | | | | | | | | | | | |
| Outer Shield Material : | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Layer Number</th> <th>Trade Name</th> <th>Type</th> <th>Material</th> <th>% Coverage (%)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Beldfoil®</td> <td>Tape</td> <td>Aluminum Foil-Polyester Tape</td> <td>100</td> </tr> <tr> <td>2</td> <td></td> <td>Braid</td> <td>TC - Tinned Copper</td> <td>65</td> </tr> </tbody> </table> | | Layer Number | Trade Name | Type | Material | % Coverage (%) | 1 | Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 | 2 | | Braid | TC - Tinned Copper | 65 |
| Layer Number | Trade Name | Type | Material | % Coverage (%) | | | | | | | | | | | | |
| 1 | Beldfoil® | Tape | Aluminum Foil-Polyester Tape | 100 | | | | | | | | | | | | |
| 2 | | Braid | TC - Tinned Copper | 65 | | | | | | | | | | | | |
| Outer Shield %Coverage | | | | | | | | | | | | | | | | |

OUTER JACKET:

| | |
|-------------------------------------|--------------------------|
| Outer Jacket Material | PVC - Polyvinyl Chloride |
| Outer Jacket Nominal Wall Thickness | 0.045 in. |

OVERALL NOMINAL DIAMETER:

| | |
|--------------------------|----------|
| Overall Nominal Diameter | .480 in. |
|--------------------------|----------|

ASSEMBLY DIMENSIONAL CHARACTERISTICS:

| | |
|-----------------------------|-------|
| Assembly Dimensional Length | 5 ft. |
|-----------------------------|-------|

49950A Molded Cable Assemblies - D-Subminiature Assembly

CONNECTOR CHARACTERISTICS:

FIRST END :

| | |
|---|-------------------|
| Connector Characteristics - First End Connector Type | D-Sub |
| Connector Characteristics - First End # of Connector Contacts/positions | 37 |
| Connector Characteristics - First End Connector Gender | Male |
| Connector Characteristics - First End Connector Shielding Type | Metal Backshells |
| Connector Characteristics - First End Overmold Type | 37 Position D-Sub |
| Connector Characteristics - First End Overmold Compound Material | PVC |
| Connector Characteristics - First End Overmold Color | Chrome |
| Connector Characteristics - First End Retention Hardware | Thumbscrew |

SECOND END :

| | |
|--|--|
| Connector Characteristics - Second End Connector Type | D-Sub |
| Connector Characteristics - Second End # of Connector Contacts/positions | 37 |
| Connector Characteristics - Second End Connector Gender | Male |
| Connector Characteristics - Second End Connector Shielding Type | Metal Backshells |
| Connector Characteristics - Second End Overmold Type | 37 Position D-Sub |
| Connector Characteristics - Second End Overmold Compound Material | PVC |
| Connector Characteristics - Second End Overmold Color | Chrome |
| Connector Characteristics - Second End Retention Hardware | Thumbscrew |
| Wiring | Point to Point. Pin #1 on End 1 to Pin #1 on End 2, Pin #2 to Pin #2, etc. Cable Shield connected to Connector Shell and Pin #1. |

MECHANICAL CHARACTERISTICS:

| | |
|-----------------------|--------------------------|
| UL Temperature Rating | 80°C (UL AWM Style 2464) |
|-----------------------|--------------------------|

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

| | |
|------------------------|---|
| NEC/(UL) Specification | CM (cable only) |
| AWM Specification | UL Style 2464 (300 V 80°C) (cable only) |

APPLICABLE STANDARDS:

| | |
|---------------------------------------|------------|
| EU RoHS Compliant (Y/N) | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 04/01/2005 |

PLENUM/NON-PLENUM:

49950A Molded Cable Assemblies - D-Subminiature Assembly

Plenum (Y/N)

N

ELECTRICAL CHARACTERISTICS:

Max. Operating Voltage - UL

300 V RMS (UL AWM Style 2464)

NOTES:

| | |
|----------------|---|
| Notes | Molded handles are 100% shielded to guard against EMI/RFI and assist in FCC compliance. All connectors tin-plated and male connectors have detents to allow for a positive shield to ground connection. |
| Notes (cont'd) | Wiring is point-to-point with the shield to connector shell and pin #1. Jack screw retention on both connectors. |

PUT-UPS AND COLORS:

| Item | Description | Put-Up (ft.) | Ship Weight (lbs.) | Jacket Color | Notes |
|--------------|-----------------------------|--------------|--------------------|--------------|-------|
| 49950A 060S2 | 37 POS SHD D-SUB CABLE 8348 | S2 | 2.14 | CHROME | |

Revision Number: 1

Revision Date: 05-13-2005

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